IN THE CLAIMS:

1   1. (Previously Presented) A method of providing access to a server in an
2 arrangement that includes at least one device that serves as a firewall having a protected
3 side and an unprotected side, a first proxy adapted to allow clients on the unprotected side
4 of the firewall to gain direct access thereto, and a second proxy adapted to allow said
5 server, on the protected side of the firewall, to gain direct access thereto and to not allow
6 said clients direct access thereto comprising the steps of:
7   receiving at the first proxy a connection request from a client of said clients;
8   sending said connection request to the second proxy through said firewall, over a
9 control channel previously established by a second proxy and controlled by the second
10 proxy;
11   authenticating the client;
12   when the client is authenticated, said second proxy establishing a data connection
13 with said first proxy, through said firewall, with the data connection adapted to forward
14 requests of said client to said second proxy, where the data connection is distinct from the
15 control channel.

1   2. (Previously Presented) The method of claim 1 further comprising the step of
2 receiving a requested resource at the second proxy from the server and using the
3 established data connection between the second proxy and the first proxy to forward the
4 requested resource to the client.

1   3. (Original) The method of claim 2 wherein the resource is a document
2 containing hyperlinks to other resources.

1   4. (Original) The method of claim 3 wherein the second proxy translates the
2 hyperlinks in the document into references directed to and interpreted by the second
3 proxy.

1   5. (Original) The method of claim 3 wherein the document is a Web page.

1   6. (Previously Presented) The method of claim 1 wherein the data connection
2 uses a secure communication protocol.

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1   7. (Previously Presented) The method of claim 6 wherein the secure
2 communication protocol is SSL.

1   8. (Original) The method of claim 1 wherein the client is a browser and the
2 server is a Web server.

1   9. (Original) The method of claim 1 wherein the client is authenticated using a
2 password mechanism.

1   10. (Original) The method of claim 9 wherein the client is authenticated using a
2 one-time password mechanism.

1   11 - 13. (Canceled) .

1   14. (Previously Presented) The method of claim 1 further comprising the step of
2 receiving at said second proxy, in response to a request for a resource from said second
3 proxy, said requested resource from the server inside the firewall and using the
4 established connection between the second proxy and the client to forward the requested
5 resource to the client.

1   15. (Previously Presented) The method of claim 1 further comprising the step of
2 receiving from said first proxy, at said second proxy, a request for a resource of the
3 server.

1   16. (Previously Presented) The method of claim 1 wherein said connection
2 request comprises a URL, the method further comprising said second proxy executing the
3 steps of
4   translating said URL to a URL that corresponds to a URL of a server inside said
5 firewall; and
6   establishing a connection with said URL.

1   17. (Previously Presented) The method of claim 1 wherein the client is
2 authenticated via said control channel using a password mechanism.

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1   18. (Previously Presented) The method of claim 1 wherein said control channel

2   is maintained by sending a command that requests a response, over said control channel,

3   at intervals that insure a silence period of not more than a preselected value.

1   19. (Previously Presented) The method of claim 1 wherein said control channel

2   is adapted to carry a limited number of different messages.

1   20. (Previously Presented) The method of claim 1 wherein said control channel

2   is adapted to carry messages from a set that consists of

3   a message sent by said second proxy to establish said control channel,

4   a message sent by said first proxy to request establishment of said data

5   connection,

6   a hailing message that expects a reply, and

7   a reply message that acknowledges said hailing message.

1   21. (Previously Presented) The method of claim 1 said step of establishing said

2   data connection is followed by a step of said second proxy sending a message to said first

3   proxy, over said data connection, to inform said first proxy of the establishment of said

4   data connection.

5   22. (Previously Presented) The method of claim 1 wherein said control channel

6   is maintained by periodically one of the proxies sending a command that requests a

7   response from the other of said proxies.

8   23. (Canceled) .

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